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Notice of Allowability

Application No.

09/975,938

Examiner

David E. England

Applicant(s)

MOTOYAMA ET AL.

Art Unit

2143

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an Interview dated 09/21/2007.
2. ☒ The allowed claim(s) is/are 1-14.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DAVID WILEY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Kurt M. Berger Reg. No. 51,461 on 09/21/23007, See Interview Summary dated 09/21/2007.
3. The application has been amended as follows:
4. Claim 2. (Currently Amended) The method of Claim 1, wherein:
5. the information is included in an attachment to an email ~~sent from the remotely monitored device~~; and
6. each parsing step includes invoking a function within an object-oriented parser class that obtains string data from an object-oriented email processor class that has extracted the string data from the email attachment.
7. Claim 4. (Currently Amended) The system of Claim 3, wherein:
8. the information is included in an attachment to an email ~~sent from the remotely monitored device~~; and

Art Unit: 2143

9. each parsing step includes invoking a function within an object-oriented parser class that obtains string data from an object-oriented email processor class that has extracted the string data from the email attachment.

10. Claims 1 – 14 are allowed.

11. The following is an examiner's statement of reasons for allowance:

12. the closest prior art of record (Sekizawa US Patent No. 6430711 and Smith et al. US Patent No. 6785015) does not teach nor suggest, "a system, apparatus or method of receiving information concerning the remotely monitored device, the information being contained in a message that also includes a message type designation, the method comprising: the data retriever class invoking a function in the email processor to read a first line and to read a second line subsequent to the first line from the message; the data retriever class invoking a function in the parser to parse the first line of the message to extract the message type designation; the data retriever class returning the extracted message type designation to the receiver manager class; the receiver manager class determining a data structure type based on the extracted message type designation and passing the data structure type to the data retriever class; and the data retriever class invoking a function in the parser to extract a data type and a data value from the second line and to store the extracted data value in a data object of the determined data structure type at a location in a memory corresponding to the extracted data type, wherein fields in the data object are different depending on the message type designation, the data retriever class invoking a function in the parser to extract the data type and the data value from all lines subsequent to the

Art Unit: 2143

first line, which contains the message type designation, and to store the extracted data values in the data object”, as taught by the Applicant, (see Specification as of 10/15/2001, pages 35 – 66; and Drawings dated 01/29/2002, Figures 7, 10 – 26b of Applicant’s enabling portions of the specification and drawings).

13. Sekizawa and Smith do not teach nor suggest in detail the data retriever class invoking a function in the parser to parse the first line of the message to extract the message type designation; the data retriever class returning the extracted message type designation to the receiver manager class; the receiver manager class determining a data structure type based on the extracted message type designation and passing the data structure type to the data retriever class; and the data retriever class invoking a function in the parser to extract a data type and a data value from the second line and to store the extracted data value in a data object of the determined data structure type at a location in a memory corresponding to the extracted data type, wherein fields in the data object are different depending on the message type designation, the data retriever class invoking a function in the parser to extract the data type and the data value from all lines subsequent to the first line, which contains the message type designation, and to store the extracted data values in the data object.

14. Sekizawa teaches monitoring peripherals and sending status electronic mail to a server periodically but does not teach the parsing steps of the Applicant’s claimed invention. Smith teaches parsing an email that is sent to a peripheral device, not sent from. Furthermore, Smith teaches commands sent to the peripheral device via Email and it is these commands that are parsed so that the peripheral device can perform said commands. The prior art does not teach the

Art Unit: 2143

email being sent from a peripheral device that has status data encoded in a specific format and type of parsing that requires each line having a specific property that is found when parsed as taught by the Applicant's claimed invention and further described in pages 35 – 44. This area of the Applicant's specification supports the claimed invention. Specifically, in table 1 on page 40, it is shown that the format at which each line in the Email is specific to how data is stored in a data structure when the Email is parsed. Table 2 also supports the claimed invention and how specific lines in the Email determine what status data from a specific peripheral device is stored in the monitoring device.

15. The dependent claims further limit the independent claims and are considered allowable on the same basis as the independent claim as well as for the further limitations set forth. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to David E. England whose telephone number is 571-272-3912. The examiner can normally be reached on Mon-Thur, 7:00-5:00.

Art Unit: 2143


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David A. Wiley can be reached on 571-272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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